



PATENT ABSTRACTS OF JAPAN

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H04J 3/14**H04J 3/00****H04L 1/22****H04L 12/24****H04L 12/26****H04Q 11/04**(21) Application number: **06290346**(71) Applicant: **NEC CORP**(22) Date of filing: **01 . 11 . 94**(72) Inventor: **ARA YOUJIROU****(54) PASS ROUTE SWITCHING SYSTEM FOR SDH TRANSMISSION NETWORK****(57) Abstract:**

PURPOSE: To autonomously execute switching from a current route to a stand-by route between cross connection devices at the occurrence of a pass fault.

CONSTITUTION: A local control part 42 in one cross connection device 21 detecting a pass fault retrieves a pass monitoring part managing part 31 indicating pass ID in the device 21 detecting the fault out of plural managing parts 31, determines a stand-by route and branches a transmitting side to the stand-by route. In the other cross connection device 22, a pass trace ID comparing part 41 for the stand-by route detects coincidence between received pass trace ID and pass trace ID to be switched and informs the detected result to a cross connection control part 32 and a remote control part 43 recognizes the start of route switching in the equipment 21 and switches/branches the receiving side/transmitting side to the stand-by route. In the device 21 also, a stand-by route pass trace ID comparing part 41 detects coincidence between the received pass trace ID and the pass trace ID to be switched and a local control, part 42 switches the receiving side to

the stand-by route and releases the branch of the transmitting side.

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